



## WATER MANAGEMENT MONTHLY REPORT

### Information Exchange Bulletin

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### RESERVOIR OPERATION AND SYSTEM STATUS FOR JULY 2001

**HIGHLIGHTS** – Cairo stage began the month at 34.9 feet and ended at 25.7 feet and was rising again. Normal stage for July is 22 feet.

**WEATHER** –The weather during July was wet in most areas with temperatures quite varied. A high pressure dome to the west of the Ohio River basin tracked a series of very heavy showers across Illinois, Indiana, Kentucky, southwest Ohio and West Virginia. These showers caused severe flash flooding in Indiana, Ohio and West Virginia. Charleston, WV recorded the fifth wettest July on record. However, Tennessee, northeastern Ohio and Pennsylvania remained dry. Temperatures were below normal over the eastern portions of the basin.

### TEMPERATURE AND PRECIPITATION – JULY 2001

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	70.2	-2.0	3.15	-0.60
Charleston, WV	72.4	-2.7	10.06	+5.07
Columbus, OH	74.3	+1.1	4.67	+0.36
Cincinnati, OH	74.2	-0.9	8.70	+4.46
Louisville, KY	78.8	+1.6	4.47	-0.04
Indianapolis, IN	74.4	-1.0	8.34	+3.87
Evansville, IN	77.6	-0.8	5.54	+1.50

Nashville, TN	79.8	+0.5	3.97	-1.20
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**STREAMFLOW** -- Ohio River monthly average flows for July ranged from a low of 95 percent of normal at Paducah, KY to a high of 135 percent of normal at Huntington, WV and Louisville, KY. Daily flows ranged from a low of 28 percent of normal at Louisville, KY to a high of 453 percent of normal at Huntington, WV.

The following table presents the flow data summary for June at the Ohio River Index Stations:

**FLOW DATA – JULY 2001**

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	17,100	123	251	66
Huntington, WV	48,700	135	453	50
Cincinnati, OH	59,500	133	376	56
Louisville, KY	71,800	135	320	28
Evansville, IN	61,700	110	254	45
Paducah, KY	139,600	95	182	50

**RESERVOIRS** -- July started with 1.0% utilization of the total system flood control storage and ended the month at 2.3%. System-wide augmentation storage decreased from 94.5% at the beginning of the month to 92.8% by the end of the month. Significant flood storage utilization in excess of 25% occurred at Summersville project and reached 23% at R. D. Bailey project during the month.

The following table depicts storage change by tributary reservoir subsystem for July:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-71,300

Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+158,700
Twelvepole-Big Sandy-Little Sandy-Scioto	+20,400
Little Miami-Licking-Mill Creek-Great Miami	+43,100
Kentucky-Salt-Green-Wabash	+34,500
Cumberland	-383,600
<b>TOTAL</b>	<b>-198,200</b>

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